Technical Report 5-34734
Contract No. DAAH01-92-D-R006
Delivery Order No. 124 Mod. 01

Value Engineering/Operation and Support Cost Reduction Computer Based Program and VE Training Tool For Tech Loop Spare Parts Initiatives

(5-34734)

Final Technical Report for Period
26 March 1997 through 30 June 1998

July 1998

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Prepared for:

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Attn: Janice Dove

PREFACE

This technical report was prepared by the staff of the Research Institute, The University of Alabama in Huntsville. The purpose of the report is to provide documentation of the work performed and results obtained under delivery order 124 Modification 01 of AMCOM Contract No. DAAH01-92-D-R006. Ms. Sharon S. Aldijaili was the principal investigator. Technical expertise and insights in value engineering information technology were provided by Ms. Janice Dove, Value Engineering, Industrial Operations Division, Systems Engineering and Production Directorate, Missile Research, Development, and Engineering Center, Missile Command.

The views and opinions, and/or finding contained in the report are those of the author(s) and should not be construed as an official Department of the Army position, policy, or decision unless so designated by other official documentation.

Except as provided by the Contract Data Requirements List DD Form 1423, hereof, the distribution of the contract report in any state of development or completion is prohibited without approval of the Contracting Officer.

Prepared for: Commander
US Aviation and Missile Command
Redstone Arsenal, Al. 35898

I have reviewed this report, dated July 1998 and the report contains no classified information.

Sharon Aldijaili
Principal Investigator

Approval:

Barry A Maddux
Research Institute

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1.0 Introduction

The Value Engineering (VE)/Operating and Support Cost Reduction (OSCR) Office of the Industrial Operations Division (IOD), Systems Engineering and Production Directorate (SEPD), Missile Research, Development, and Engineering Center (MRDEC), US Army Aviation and Missile Command (AMCOM) is responsible for performing system engineering cost analyses for weapon systems from design through full scale production. This effort includes evaluating reported cost analyses and performing appropriate modifications to information systems. This information is transferred monthly to the US Army Materiel Command (AMC) Headquarters. Reporting requirement changes have resulted in the modification of the operational information system, and the development and integration of an upgraded information system for tracking VE and OSCR cost analyses. Data validation between the operational information system and the upgraded information system was required during development of the upgraded information system software package.

2.0 Objectives and Scope

The objective of this task was to provide engineering support in evaluating cost analyses for weapon systems and to develop, validate, and implement cost analyses report formats for required value engineering directives. The University of Alabama in Huntsville (UAH) Research Institute was tasked to: (1) analyze and document VE and OSCR information system operations; (2) verify and validate database formats for maintaining and reporting cost analyses information; (3) provide VE and OSCR system logic for the modification, development, and integration of a consolidated VE/OSCR information system; 4) make recommendations for computer hardware and software required to utilize the VE/OSCR information system; (5) provide training on the VE/OSCR information system; (6) support Technical Loop reporting activities.

3.0 Value Engineering Technologies

The Value Engineering Management System (VEMS) was integrated into the value engineering cost analyses information tracking process. The VEMS maintains cost analyses information on weapon systems and provides standard reports, user friendly ad-hoc query capability, and graphics support. The VEMS was developed at the US AMC Logistics Support Activity - Major Item Information Center (LOGSA-MIIC) to meet new reporting requirements. System logic and data requirements were documented for the VEMS modification, development, and integration. Data requirements for maintaining system integrity of the VEMS is provided in Appendix A.

4.0 Operating and Support Cost Reduction Technologies

The Operating and Support Cost Reduction Information System was developed and integrated into the operating and support cost reduction cost analyses information tracking process. The OSCR Information System maintains cost analyses information on weapon systems and provides standard reports, user friendly ad-hoc query capability, and graphics support. The OSCR Information System was developed at the Industrial Operations Division (IOD), Systems Engineering and Production Directorate (SEPD), Missile Research, Development, and Engineering Center (MRDEC), US Army Aviation and Missile Command (AMCOM) by members of the UAH Applied Research Program to meet new reporting requirements. System logic and data requirements were documented for the OSCR Information System development and integration. Data requirements for maintaining system integrity is provided in Appendix B.

5.0 Hardware and Software Requirements

The VEMS hardware and software requirements were established to support the upgrade process. Hardware and software requirements for the VEMS were set by LOGSA-MIIC. Hardware requirements consist of the following: CPU for DOS, minimum of 386DX 25/33 Mhz, 4 MB RAM memory (8 MB RAM memory for windows), 8K internal cache, 128 - 256K external cache, 120 MB hard drive, ISA bus architecture, VGA monitor, 512 MB VRAM video adaptor, both 3.5" and 5.25" internal drives, 1 serial port, 1 parallel port, 1 keyboard, 1 mouse, 14.4 KBPS fax/modem, and a 24 pin dot matrix printer with parallel interface wide carriage. Software requirements for the VEMS consist of the following: remote communication software, Foxpro DBMS application, and VEMS. Software requirements for the VEMS were provided by LOGSA-MIIC.

The OSCR Information System hardware and software requirements were established to support the development and maintenance process. Software requirements were met using existing software. The OSCR Information System was developed using Microsoft Access 2.0. Hardware requirements were met using existing equipment.

The VEMS, OSCR Information System, and other application software are utilized on an Everex 486/33Mhz, 32 MB RAM memory, 256 external cache, 1.0 gbyte hard drive, both 3.5"and 5.25" internal drives, 2 serial port, 1 parallel port, 1 keyboard, 1 mouse, and a HP LaserJet IIID laser printer. The 14.4 KBPS fax/modem was provided exclusively for the VEMS by LOGSA-MIIC.

6.0 VEMS/OSCR Information System Training

VEMS and OSCR Information System training was provided through a user tutorial for Industrial Operations (IO) Division personnel. A password to the VEMS was assigned and a VE and OSCR System User Instruction manual was made available to IO Division personnel.

7.0 Technical Loop Reporting Activities

Utilizing VEMS, data concerning Technical Loop activities were input and tracked as required. Spare part reductions associated with Technical Loop initiatives were identified by extracting spare part information from value engineering proposal initiatives. This information was formatted to allow access to the Technical Loop efforts to project funding reductions for the future. Reports were provided are requested displaying information concerning spare part initiatives.

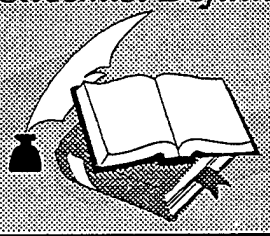
8.0 Recommendation and Conclusions

During the time frame allocated by the delivery order, members of the UAH Applied Research Program, with the cooperation of representatives from AMCOM Systems Engineering and Production Directorate, investigated and evaluated value engineering and Operating and Support Cost Reduction technology being utilized in the Value Engineering and Operating and Support Cost Reduction Office of the Industrial Operations Division. With the development of an upgraded value engineering management information system at LOGSA-MIIC and the development of an OSCR information system by members of the UAH Applied Research Program, integration of the software package into the VE/OSCR management information system process at AMCOM was sought. This integration was implemented and successful. The results of this technology should be a major benefit to the future of the VE/OSCR efforts within SEPD.

APPENDIX A

VEMS DATA ENTRY REQUIREMENTS

VEMS Data Entry Requirements
VE Checklist Definitions



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ATTACHMENT A: VECP Checklist

ATTACHMENT B: VEP Checklist

VEMS Data Entry Requirements
VE Checklist Definitions Date: 02Dec97

I. Introduction

This is a format description for the type of information needed for the Value Engineering Management System (VEMS). The purpose of this document is to define data elements and describe acceptable input values for those data elements. **This is not an official document.** Each VE Specialist will complete the checklist provided at the front of each folder. Each VE proposal will be entered into the database and a print-out from VEMS will be returned to the VE Specialist. The VE Specialist should review each print-out and verify correct entry.

II. VECP File

Below is a list of needed VECP fields to complete the VECP checklist, a definition, and a description for "What type of information can be used?" and "Where it can be found in the VECP file?". Attachment A is the current VECP Checklist.

1. **VECP number** - The VECP number is an assigned number and identifies the individual VE action. The VECP number is recorded in the VE log book. It is identified by using the VE number listed along with the originator's number.

2. **Action Officer** - The Action Officer is the VE person responsible for the file. The VE specialist writes in this information on the VECP file checklist.

3. **Organization** - The organization is the acronym of the supported PEO or office reporting the VECP. The organization name may be found on DD form 1692 or the cover letter submitting the VECP. The computer lab determines the PEO and PM codes using the organization name.

4. **Originator number** - The originator's number is the number assigned to the VECP by the contractor. It is provided in tab 1 of the VECP file on DD form 1692 or the cover letter submitting the VECP.

5. **System** - The system is the abbreviated name of the item/weapon system affected by the VE proposal. The system name may be found on DD form 1692 or the cover letter submitting the VECP. The computer lab determines the weapon system code using the system name.

6. **Office Symbol** - The organization's office symbol is the specific code assigned sub-element within each MSC. It is the office symbol of the MSC directorate or office reporting the VECP.

7. **Title of Change** - The title is a descriptive title of the VECP. It is provided in tab 1 of the VECP file on DD form 1692 in the "title of change" block.

8. **Type of Proposal** - The type of proposal for VECP's may be one of two selections.

    a. Acquisition - A VECP is *acquisition* when it involves a change to a contract or procurement dollars.

b. Other - A VECP is *other* when it does not fall within the previously defined category (acquisition). To use *other* as the **type of proposal**, a short description must be provided.

9. **Budget Information** - Each year starting with the current year through the seventh year must be reported. This includes the **current** through **remaining fiscal years**. To report remaining years, provide the beginning and ending FY and the dollar amount of savings for each year. Estimated savings is provided on the initial DD form 1692 and subsequent contract modifications. The actual savings is provided on the final contract modification.

a. **Government** - Report **estimated** and **actual government savings ($K)**, and **estimated and actual collateral savings ($K)**.

b. **Contractor** - Report **estimated** and **actual contractor savings ($K).**

10. **Appropriation Name** - The funding program element identifies the appropriation type of savings generated by the VECP.

11. **Appropriation Number** - The saving source identifies the specific program element that is the source of VE savings. Note: An appropriation name is not necessary when describing the savings source (appropriation number).

12. **Reprogrammed Savings** - Reprogrammed savings identifies the program element where VE savings is to be reprogrammed (reapplied).

13. **Function** - The function specifies the major function(s) of the item affected by the VECP in the verb-noun format.

14. **Spare Part Indicator** - The spare part indicator determines whether the VECP involves a change to a spare part or not.

15. **Clause Indicator** - The clause indicator determines whether the VECP was submitted voluntarily (Incentive Clause) or if it is the result of a contract requirement (Requirement Clause).

16. **O&S Initiative** - This element indicates whether or not the VEP was identified by the O&S Office or the VEP was funded by the O&S Office.

17. **Current Proposal Status** and **Date of Action** - The current proposal status is the code that identifies the processing stage of the VECP. A list of possible processing stages is provided below.

a. Open/Date of Receipt - The date of receipt is the date the VECP is initially received by any government office. It starts the time clock that measures the rate at which an organization responds to the VECP submitted. The VE specialist writes in this information on the VECP file checklist. It is provided in tab 2 of the VECP file.

b. Date of Receipt in the VEO - The date of receipt in the VEO is the date the VE proposal is received by the MSC VE Office. This date must follow or equal the date of receipt. The VE specialist writes in this information on the VECP file checklist.

c. Approved-Disapproved-Withdrawn/Date of Technical Decision - The date of technical decision is the date the technical review board (CCB, VERB, etc.) approved or disapproved the VECP or the contractor withdrew the VE change. The date must be later than or equal to the **date of receipt** and must precede the **date of financial settlement**. If the VECP is approved or disapproved, this information is provided in tab 3 at the bottom of DD form 1692 by the contracting officer's signature in the "date signed" block. If the VECP is withdrawn, tab 3 will contain a letter from the contractor or a signed MFR.

d. Deactivated/Date of Deactivation - The date of deactivation is the date the VECP is moved outside Government control. This date must be later than the **date of receipt**. This information is provided on a signed MFR in tab 4.

e. Reactivated/Date of Reactivation - The date of reactivation is the date the VECP is moved inside Government control. This date must be later than the previous deactivation date. This information is provided on a signed MFR in tab 4.

f. Date of Implementation - The date of implementation is the date the VE change was implemented. This date corresponds to the date that the government accepts an end item with the changed configuration or the new process or procedure is initiated. This date must follow or equal the **approval date**. This information is provided in tab 5 on the first contract modification in the "effective date" block.

g. Date of Interim Modification - The date of interim modification is the date the VECP is modified, but not financially settled. This date does not stop the clock that measures an organization's processing time. The date of interim modification must follow or equal the **implementation date**. This information is provided on the contract modification(s).

h. Final Settlement/Date of Financial Settlement - The date of financial settlement is the date the VECP is financially settled. The contract is modified to reflect financial settlement with the contractor. The date stops the clock that measures an organization's processing time. The date of final modification date must follow or equal the **interim mod date**.

i. NLT Settlement/Date of Contractor Modification - A Not Less Than (NLT) settlement date may precede the final modification. It includes the dollar amount settled and stops the clock that measures an organization's processing time. This information is provided on the contract modification(s) at the bottom of DD form 1692 by the contracting officer's signature in the "date signed" block.

18. **Contract & Interim Contract Mod Number**

a. **Contract Mod Number** - The contract modification number identifies the mod number for the contract in which a final settlement was completed. This information is provided on the final contract modification.

b. **Interim Contract Mod Number** - The interim contract modification number identifies the latest interim contract modification, before the final settlement is completed. This information is provided on each contract modification occurring before the final settlement.

19. **Contract Number** - The contract number identifies the contract against which the VECP is submitted. This information is provided in tab 1 of the VECP file on the DD form 1692 in the "contract number" block.

20. **Contractor Cost to develop, test, and implement** - The contractor's cost to develop, test, and implement. Estimated cost is provided on the initial DD form 1692 and subsequent contract modifications. The actual cost is provided on the final contract modification.

21. **Government Cost to develop, test, and implement** - The cost is the government's direct, non-recurring investment cost to develop, test and implement the VECP (excluding overhead and administrative costs). Estimated cost is provided on the initial DD form 1692 and subsequent contract modifications. The actual cost is provided on the final contract modification.

22. **Government Share of VECP Savings** - The government share of VECP savings indicates the percentage of savings that the government receives as a result of the VECP. The government share will depend on the type of VE clause in the contract and the type of contract. The percentage is either a Split of 75% government and 25% contractor (requirement) or 50% government and 50% contractor (incentive).

III. VEP File

Below is a list of needed VEP fields to complete the VEP checklist, a definition, and a description for "What type of information can be used?" and "Where it can be found in the VEP file?". Attachment B is the current VEP Checklist.

1. **VEP number** -The VEP number is the number assigned by the VE office and identifies the individual VE action. The VEP number is recorded in the VE log book. It is identified by using the VE number listed along with the originator's number.

2. **Action Officer** - The Action Officer is the VE person responsible for the file. The VE specialist writes in this information on the VEP file checklist.

3. **Organization** - The organization is the acronym of the supported PEO or office reporting the VEP. This information is provided in Tab 2 on/within the study. The computer lab determines the PEO and PM codes using the organization name.

4. **Originator's Number** - The originator's number is the number assigned to the VEP by the originating activity. This information is provided in tab 1 of the VEP file with the identification documentation.

5. **System** - The system is the abbreviated name of the item/weapon system affected by the VE proposal. The computer lab determines the weapon system code using the system name.

6. **Office Symbol** - The organization's office symbol is the specific code assigned within each MSC. It is the acronym of the supported PEO or office symbol of the MSC directorate of office reporting the VEP.

7. **Title** - The title is a descriptive title of the VEP. The VE specialist writes in this information on the VEP file checklist. It is provided with the identification documentation.

8. **Type of Proposal** - The type of proposal for VEP's may be one of three selections.

   a. Administrative - A VEP is *administrative* when it does not involve a change to a contract or procurement dollars. Only VEP's can be administrative.

   b. Acquisition - A VEP is *acquisition* when it involves a change to a contract or procurement dollars.

   c. Other - A VEP is *other* when it does not fall within the previously defined categories (administrative or acquisition). To use *other* as the **type of proposal**, a short description must be provided.

9. **Current Proposal Status** and **Date of Action** - The current proposal status identifies the processing stage of the VEP. A definition of each is provided below.

   a. Date of Study Submission - This is the date the VE study application is submitted to the appropriate authority/decision maker for authority to proceed or abandon. This date must precede or equal the Date Study Began. This information is provided in Tab 1 on the identification documentation.

   b. Date Study Began - This is the date the idea was identified as a VE study candidate and properly documented as such after review and approval. This date must equal or follow the date of receipt. This information is provided in Tab 2 on/within the study and is typically stated as the date study began; or it may be provided on other documentation that establishes the date study began.

c. Open/Date of Receipt - The date of receipt is the date that the VEP is formally submitted for a decision by its proponent organization. It starts the time clock that measures the rate at which an organization responds to the VEP submitted. This information is provided in tab 2 of the VEP file. It may be provided on/within the study and is typically stated as the date study completed; or it may be provided on other documentation that establishes the date study completed.

d. Approved-Disapproved-Withdrawn/Date of Technical Decision - The date of approval/disapproval/withdrawal is the date the VEP was technically approved/disapproved/withdrawn. The date must follow or equal the **date of receipt**. This information is provided in tab 3 of the VEP file. It may be provided either on the basic AMCOM VE approval/disapproval document; or it may be provided on other documentation that establishes the date of technical decision.

e. Date of Implementation - The date of implementation is the date the VE change was implemented. This date corresponds to the date that the government accepts an end item with the changed configuration or the new process or procedure is initiated. This date must follow or equal the **approval date**. This information is provided in tab 3 of the VEP file. It may either be the date provided on the basic AMCOM VE approval document or the date on the implementation documentation provided in tab 5.

f. Settled/Date of Verification - The date of verification is the date the reapplication of the VEP savings is verified by an office or organization having authority to reapply the funding. The date stops the clock that measures an organization's processing time. This information is provided in tab 4 of the VEP file with the budget verification documentation.

10. **Time Code** - The time code determines whether the proposal was generated prior to or after production of the end item.

11. **Spare Part Indicator** - The spare part indicator determines whether the VEP involves a change to a spare part or not.

12. **O&S Initiative** - This element indicates whether or not the VEP was identified by the O&S Office or the VEP was funded by the O&S Office.

13. **Budget Information** - Each year starting with the current year through the remaining years must be reported. This includes the **current** through **remaining fiscal years** and **actual government saving (K$)**. This information is provided in tab 4 of the VEP file. Savings years 1-3 are provided with the budget verification documentation. Savings years 4 - remaining years may be provided either on the budget verification documentation or by the VE specialist/others on a signed MFR based on information provided by the originating organization for informational purposes only. To report remaining years, provide the beginning and ending FY and the dollar amount of savings for each year.

14. **Government Cost to develop, test, and implement** - The cost is the government's direct, non-recurring investment cost to develop, test and implement the VEP (excluding overhead and administrative costs). This information is provided in tab 2 or tab 3 of the VEP file with the study.

15. **Appropriation Name** - The funding program element identifies the appropriation type of savings generated by the VEP. This information is provided in tab 2 of the VEP file. It may be provided on other documentation that establishes the appropriation name.

16. **Appropriation Number** - The saving source identifies the specific program element that is the source of the VE savings. Note: An appropriation name is not necessary when describing the savings source (appropriation #.AMCMS code). This information is provided in tab 4 of the VEP file with the budget verification documentation.

17. **Reprogrammed** - Reprogrammed savings number identifies the program element where the VE savings is to be reprogrammed (appropriation #.AMCMS code). This information is provided in tab 4 of the VEP file with the budget verification documentation. If there is cost avoidance savings, enter "cost avoid" in the reprogrammed field.

18. **Sharing Organization** - This is the acronym of the supported PEO or office symbol of the MSC directorate or office sharing the VE savings.

19. **Amount Shared** - This is the dollar amount shared between two or more installations or organizations.

20. **Percent Shared** - This is the percentage of the savings that is credited to the sharing organization.

ATTACHMENT A

VECP Checklist

VECP File Checklist

VECP #: _____1_____ Action Officer: _____2_____
Organization: _____3_____ Originator #: _____4_____
System: _____5_____ Procurement Office Symbol: _____6_____
Title of Change: _____7_____

Type of Proposal: 8a__ Acquisition
8b__ Other Define_____

Savings: YR of Savings	FY	Gov't Savings ($K)	Collateral Savings ($K)	Contractor Savings ($K)
Year 1 - Current	(1998)	$_____9a_____	$_____9a_____	$_____9b_____
Year 2 - Budget	(1999)	$_____	$_____	$_____
Year 3 - Future	(2000)	$_____	$_____	$_____
Year 4 -	(2001)	$_____	$_____	$_____
Year 5 -	(2002)	$_____	$_____	$_____
Year 6 -	(2003)	$_____	$_____	$_____
Year 7-	(2004)	$_____	$_____	$_____
Remaining Years	(2005) - (2007)	$_____	$_____	$_____

Appropriation Name: _____10_____
Appropriation Number: _____11_____ Reprogrammed Savings: _____12_____

Tab 1: Copy of VECP
Function: _____13_____ Clause Indicator: 14_ Incentive 14_ Requirement
Spares: 15_ Yes 15_ No O&S Initiative: 16_ Yes 16_ No

Tab 2: Date Government received VECP: _____17a_____
Date VE Office received VECP: _____17b_____

Tab 3: VECP Date: Approved ___17c____ *or* Disapproved____17c____ *or* Withdrawn____17c____

Tab 4: Deactivation/Reactivation Records and Dates 17d &/or 17e

Tab 5: MODIFICATION 1: Mod #___18a/b____ Contract #_____19_____
Date Mod Signed:__17g/h/i__ Date VEO received Mod:_____ Implementation Date:___17f__
Savings Calculations: Total VECP Savings: $_____ (less)
Contractor D/I Cost: $_____20_____ (less) Gov't D/I Cost: $_____21_____ (equals)
VECP Savings: $_____ (X) Gov't _____% = Gov't Savings: $_____22_____
Summary:

_____

_____

Tab 6: MODIFICATION 2: Mod #_____ Contract #_____
Date Mod Signed:_____ Date VEO received Mod:_____ Implementation Date:_____
Savings Calculations: Total VECP Savings: $_____ (less)
Contractor D/I Cost: $_____ (less) Gov't D/I Cost: $_____ (equals)
VECP Savings: $_____ (X) Gov't _____% = Gov't Savings: $_____
Summary:

_____

_____

Tab 7: MODIFICATION 3: Mod #_____ Contract #_____
Date Mod Signed:_____ Date VEO received Mod:_____ Implementation Date:_____
Savings Calculations: Total VECP Savings: $_____ (less)
Contractor D/I Cost: $_____ (less) Gov't D/I Cost: $_____ (equals)
VECP Savings: $_____ (X) Gov't _____% = Gov't Savings: $_____
Summary:

_____

_____

Tab 8: MODIFICATION 4: Mod #_____ Contract #_____
Date Mod Signed:_____ Date VEO received Mod:_____ Implementation Date:_____
Savings Calculations: Total VECP Savings: $_____ (less)
Contractor D/I Cost: $_____ (less) Gov't D/I Cost: $_____ (equals)
VECP Savings: $_____ (X) Gov't _____% = Gov't Savings: $_____
Summary:

_____

_____

Tab 9: MODIFICATION 5: Mod #_____ Contract #_____
Date Mod Signed:_____ Date VEO received Mod:_____ Implementation Date:_____
Savings Calculations: Total VECP Savings: $_____ (less)
Contractor D/I Cost: $_____ (less) Gov't D/I Cost: $_____ (equals)
VECP Savings: $_____ (X) Gov't _____% = Gov't Savings: $_____
Summary:

_____

_____

Tab 10: MODIFICATION 6: Mod #_____ Contract #_____
Date Mod Signed:_____ Date VEO received Mod:_____ Implementation Date:_____
Savings Calculations: Total VECP Savings: $_____ (less)
Contractor D/I Cost: $_____ (less) Gov't D/I Cost: $_____ (equals)
VECP Savings: $_____ (X) Gov't _____% = Gov't Savings: $_____
Summary:

_____

_____

Tab 11: MODIFICATION 7: Mod #_____ Contract #_____
Date Mod Signed:_____ Date VEO received Mod:_____ Implementation Date:_____
Savings Calculations: Total VECP Savings: $_____ (less)
Contractor D/I Cost: $_____ (less) Gov't D/I Cost: $_____ (equals)
VECP Savings: $_____ (X) Gov't _____% = Gov't Savings: $_____
Summary:

_____

_____

ATTACHMENT B

VEP Checklist

VEP File Checklist

VEP #: _____1_____ Action Officer: _____2_____
Organization: _____3_____ Originator #: _____4_____
System: _____5_____ Office Symbol: _____6_____
Title: _____7_____

Type of Proposal: 8a__ Administrative
8b__ Acquisition
8c__ Other Define _____

Tab 1: Identification of VE effort date: _____9a_____

Tab 2: Study began date: _____9b_____
Study completed date: _____9c_____

Time code: 10_Prior to production 10_After production 10_Non-hardware/software
Spare part: 11_Yes 11_No **O&S Initiative:** 12_Yes 12_No

Tab 3: Date of technical decision: Approved _____9d_____
Disapproved _____9d_____
Withdrawn _____9d_____

Tab 4: Savings Information Verification date ____9f_____

YR of Savings	FY	$'s
Year 1 - Hard Dollar	(1998)	_____13_____
Year 2 - Budget	(1999)	_____
Year 3 - Future Budget	(2000)	_____
Year 4 -	(2001)	_____
Year 5 -	(2002)	_____
Year 6 -	(2003)	_____
Year 7 -	(2004)	_____
Remaining Years -	(2005) - (2007)	_____

Implementation Cost: $_____14_____(K)

Appropriation Name: 15_ PA 15_ RDTE 15_ OMA Other _____
Appropriation #: _____16_____ **Reprogrammed to:** _____17_____

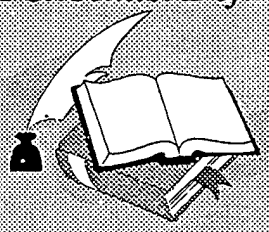
If **Shared**: Sharing Organization _____18_____ VEP# _____ Originator # _____
Total VEP savings: $_____(K) (x) ____19_____ % shared =
Other organization's savings $_____20_____(K)

Tab 5: Implementation Documentation Date Implemented _____9e_____

APPENDIX B

OSCR DATA ENTRY REQUIREMENTS AND DEFINITIONS

OSCR Information System
Data Entry Requirements
OSCR Checklist Definitions



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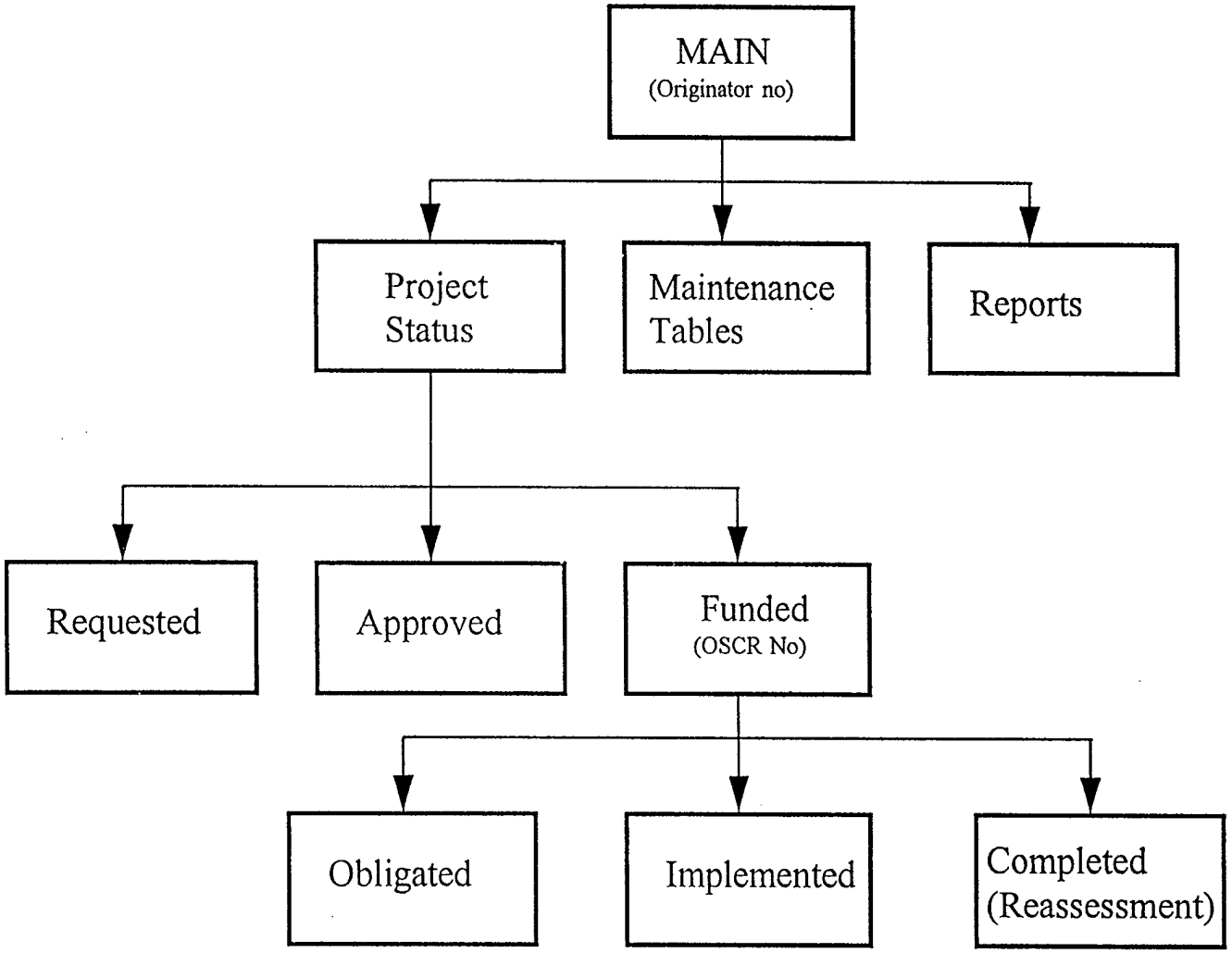
Quarterly Report Format

OSCR Database Structure



ATTACHMENT 1

TABLES

Properties

Date Created:	1/29/97 1:11:01 PM	Def. Updatable:	Yes
Last Updated:	5/5/98 9:06:18 AM	Record Count:	61

Columns

Name	Type	Size
Originator_No	Text	20
Fiscal_Year	Text	4
OSCR_No	Text	10
Command_Id	Text	10
Group_Id	Text	10
POC	Text	30
Organization	Text	30
Office_Symbol	Text	25
Phone	Text	30
Candidate_Date	Date/Time	8
Initiative_Date	Date/Time	8
Date_Authorized	Date/Time	8
Date_Validated	Date/Time	8
Date_Requested	Date/Time	8
Date_Approved	Date/Time	8
Date_Funded	Date/Time	8
Date_Obligated	Date/Time	8
Date_Eng_Completion	Date/Time	8
Date_Test_Completion	Date/Time	8
Date_Implemented	Date/Time	8
Change_EA_Date	Date/Time	8
Reassessment_Date	Date/Time	8
PEO	Text	20
System	Text	20
Subsystem	Text	20
Title	Text	100
Description	Memo	-
Type_Project	Text	10
Type_Program	Text	20
Appropriation	Text	10
Proposed_Investment	Currency	8
Proposed_Savings	Currency	8
Impacted_Org	Text	50
Action_Officer	Text	30
Date_Updated	Date/Time	8
Date_Created	Date/Time	8

Properties

Date Created:	2/4/97 11:20:18 AM	Def. Updatable:	Yes
Last Updated:	4/8/98 8:41:45 AM	Record Count:	61

Columns

Name	Type	Size
Originator_No	Text	20
OSCR_No	Text	10
Active	Yes/No	1
Source	Text	5
Type_Change	Text	5
New_Item	Yes/No	1
Status	Memo	-
Status_Code	Text	4
Action_Date	Date/Time	8
Date_Updated	Date/Time	8

Properties

Date Created:	1/30/97 9:45:50 AM	Def. Updatable:	Yes
Last Updated:	3/6/98 2:33:46 PM	Record Count:	466

Columns

Name	Type	Size
Originator_No	Text	30
Proj_FY	Text	4
Approved_Funds	Currency	8
Redesign_Funds	Currency	8
Inv_Funds	Currency	8
Total_Funds	Currency	8
Proj_Savings	Currency	8
SIR	Number (Double)	8

Properties

Date Created:	1/30/97 10:05:50 AM	Def. Updatable:	Yes
Last Updated:	2/18/98 2:24:02 PM	Record Count:	424

Columns

Name	Type	Size
Originator_No	Text	20
Proj_FY	Text	4
Obligated_Funds	Currency	8
Redesign_Funds	Currency	8
Inv_Funds	Currency	8
Total_Funds	Currency	8
Proj_Savings	Currency	8
SIR	Number (Double)	8

Properties

Date Created:	11/6/97 1:08:55 PM	Def. Updatable:	Yes
Last Updated:	4/21/98 3:30:29 PM	Record Count:	240

Columns

Name	Type	Size
Originator_No	Text	20
Proj_FY	Text	4
Obligated_Funds	Currency	8
Redesign_Funds	Currency	8
Inv_Funds	Currency	8
Total_Funds	Currency	8
Proj_Savings	Currency	8
SIR	Number (Double)	8

Properties

Date Created:	2/10/97 10:47:22 AM	Def. Updatable:	Yes
Last Updated:	4/10/97 10:44:08 AM	Record Count:	7

Columns

Name	Type	Size
Appropriation	Text	15
Description	Text	50
Date_Updated	Date/Time	8

Table Indexes

Name	Number of Fields
PrimaryKey	1
Fields:	Appropriation, Ascending

Table: appropriation

Appropriation	Description	Date_Updated
AWCF	Army Working Capital Fund	01-Oct-97
DBOF	Defense Business Operating Fund	05-Mar-97
OMA	Operations and Maintenance, Army	05-Mar-97
OPA	Other Procurement Appropriation	05-Mar-97
PA	Procurement Appropriation	05-Mar-97
RDTE	Research, Development, Test, and Engineering	05-Mar-97
SMA	Supply Management Army	05-Mar-97

Properties

Date Created:	3/5/97 12:17:53 PM	Def. Updatable:	Yes
Last Updated:	4/10/97 10:43:53 AM	Record Count:	4

Columns

Name	Type	Size
Source	Text	2
Description	Text	50
Date_Updated	Date/Time	8

Table Indexes

Name	Number of Fields
PrimaryKey	1
Fields:	Source, Ascending

Table: source

Source	Description	Date Updated
DC	Data Call	05-Mar-97
I	Individual	05-Mar-97
O	Other	05-Mar-97
RR	Readiness Report	05-Mar-97

Properties

Date Created:	2/10/97 10:59:11 AM	Def. Updatable:	Yes
Last Updated:	4/10/97 10:43:38 AM	Record Count:	13

Columns

Name	Type	Size
Status_Code	Text	2
Description	Text	50
Date_Updated	Date/Time	8

Table Indexes

Name	Number of Fields
PrimaryKey	1
Fields:	Status_Code, Ascending

Table: status_code

Status_Code	Description	Date_Updated
A	Approved	10-Apr-97
CA	Candidate	10-Apr-97
CO	Completed	10-Apr-97
F	Funded	10-Apr-97
IC	Initiative Coordination	10-Apr-97
IM	Implemented	10-Apr-97
IN	Initiative	10-Apr-97
OB	Obligated	10-Feb-97
PM	PM Authorization	10-Apr-97
R	Rejected	07-May-97
S	Submitted	05-Mar-97
TR	Tracking	07-May-97
W	Withdrawn	07-May-97

Properties

Date Created:	2/10/97 10:44:33 AM	Def. Updatable:	Yes
Last Updated:	4/10/97 10:44:51 AM	Record Count:	26

Columns

Name	Type	Size
System	Text	20
Description	Text	50
Date_Updated	Date/Time	8

Table Indexes

Name	Number of Fields
PrimaryKey	1
Fields:	System, Ascending

Table: system

System	Description	Date_Updated
ADCCS	AMCOM	17-Mar-97
AEC	AVIATION	08-Jan-98
AGMS	TACTICAL MISSILES	17-Mar-97
ALSE	AVIATION	08-Jan-98
APACHE	AVIATION	08-Jan-98
ARDEC	AMCOM	17-Mar-97
ATACMS-BAT	TACTICAL MISSILES	17-Mar-97
BLACK HAWK	AMCOM	08-Jan-98
CCAWS	TACTICAL MISSILES	17-Mar-97
CHINOOK	AVIATION	08-Jan-98
CIC	AMCOM	17-Mar-97
COMANCHE	AVIATION	08-Jan-98
DSA	AMCOM	08-Jan-98
FADD-GBS	AMCOM	17-Mar-97
IMMC	AMCOM	17-Mar-97
JAVELIN	TACTICAL MISSILES	17-Mar-97
JTUAV	AMCOM	01-Apr-97
MLRS	TACTICAL MISSILES	17-Mar-97
MRDEC	AMCOM	08-Jan-98
PATRIOT	AIR & MISSILE DEFENSE	01-Apr-97
RASA	AMCOM	17-Mar-97
STINGER	TACTICAL MISSILES	17-Mar-97
THAAD	AIR & MISSILE DEFENSE	17-Mar-97
TMDE	AMCOM	17-Mar-97
UGV	AMCOM	17-Mar-97
WSMD	AMCOM	17-Mar-97

Properties

Date Created:	3/5/97 12:16:21 PM	Def. Updatable:	Yes
Last Updated:	4/10/97 10:43:21 AM	Record Count:	6

Columns

Name	Type	Size
Type_Change	Text	5
Description	Text	50
Date_Updated	Date/Time	8

Table Indexes

Name	Number of Fields
PrimaryKey	1
Fields:	Type_Change, Ascending

Table: type_change

Type_Change	Description	Date_Updated
HD	Hardware Redesign	05-Mar-97
HR	Hardware Replacement	27-Mar-97
MC	Maintenance Concept	05-Mar-97
O	Other	05-Mar-97
P	Procedure	05-Mar-97
RA	Re-engineering Analysis	05-Mar-97

Properties

Date Created:	11/14/97 8:21:01 AM	Def. Updatable:	Yes
Last Updated:	11/14/97 8:21:01 AM	Record Count:	3

Columns

Name	Type	Size
Command_Id	Text	10
Description	Text	50

Table Indexes

Name	Number of Fields
PrimaryKey	1
Fields:	Command_Id, Ascending

Table: command

Command_Id	Description
AMCOM	US ARMY AVIATIC
ATCOM	US ARMY AVIATIC
MICOM	US ARMY MISSILE

Properties

Date Created:	3/9/98 2:31:15 PM	Def. Updatable:	Yes
Last Updated:	3/10/98 10:48:02 AM	Record Count:	24

Columns

Name	Type	Size
Originator_No	Text	20
Contractor	Text	50

Properties

Date Created:	5/5/98 10:19:42 AM	Def. Updatable:	Yes
Last Updated:	5/5/98 1:03:46 PM	Record Count:	28
Row Height:	195		

Columns

Name	Type	Size
Originator_No	Text	20
Component_NSN	Text	20
Component	Text	50

Properties

Date Created:	3/4/98 1:12:58 PM	Def. Updatable:	Yes
Last Updated:	5/5/98 1:03:50 PM	Record Count:	89

Columns

Name	Type	Size
Originator_No	Text	20
Item_NSN_Old	Text	20
Item	Text	100
Item_NSN_New	Text	20

Properties

Date Created:	5/5/98 9:03:26 AM	Def. Updatable:	Yes
Last Updated:	5/5/98 10:36:39 AM	Record Count:	247

Columns

Name	Type	Size
Originator_No	Text	20
Weapon_NSN	Text	20

ATTACHMENT 2

SAMPLE REPORTS

AMCOM

OSCR Office

Originator Number Log

FY: 1998 **as of:** *08-Jan-98*

96-3006	11-Dec-97	S	
96-8401	17-Oct-97	F	980003
97-8004	17-Oct-97	F	980005
97-8009	17-Oct-97	F	980004
MLRS-98-01	11-Dec-97	S	
PAT-97-03	18-Nov-97	F	980001
PAT-97-05	13-Jun-97	F	980002
PAT-98-01	09-Oct-97	S	
PAT-98-02	17-Oct-97	S	

Funded Project Information

Command Id:	AMCOM	System:	PATRIOT
Fiscal Year:	1998	Subsystem:	PAC-3
Type Project:	AMC	Item:	HDM TECHNOLOGY
Type Program:	SMA-OSCR	Action Officer:	ALAN GREENE
Originator No:	PAT-97-03		
OSCR No:	980001		

Appropriation	FY	Redesign Funds $K	Obligated Funds $K	Investment Funds $K	Total Investment Funds $K	Projected Savings $K
RDTE	1997	1011.0	0.0	0.0	1011.0	0.0
	1998	0.0	0.0	1475.0	1475.0	3651.0
	1999	0.0	0.0	1275.0	1275.0	7464.0
	2000	0.0	0.0	2844.0	2844.0	8302.0
	2001	0.0	0.0	5328.0	5328.0	8454.0
	2002	0.0	0.0	5445.0	5445.0	8640.0
	2003	0.0	0.0	5565.0	5565.0	8830.0
	2004	0.0	0.0	0.0	0.0	10117.0
	2005	0.0	0.0	0.0	0.0	474.0
	2006	0.0	0.0	0.0	0.0	484.0
	2007	0.0	0.0	0.0	0.0	495.0
Total:		**$1,011.0**	**$0.0**	**$21,932.0**	**$22,943.0**	**$56,911.0**

Requested Project Information

Command Id:	AMCOM	System:	BLACK HAWK
Fiscal Year:	1998	Subsystem:	UH-60L
Type Project:	AMC	Item:	TURBINE BLADE IMPROVEMENT
Type Program:	SMA-OSCR	Action Officer:	JOHN HALE
Originator No:	96-3006		
OSCR No:			

Appropriation	Redesign Funds $K	Approved Funds $K	Investment Funds $K	Total Investment Funds $K	FY	Projected Savings $K
	516.0	0.0	0.0	516.0	1998	0.0
	0.0	0.0	210.0	210.0	1999	239.0
	0.0	0.0	1421.0	1421.0	2000	1116.0
	0.0	0.0	1394.0	1394.0	2001	1626.0
	0.0	0.0	1365.0	1365.0	2002	2074.0
	0.0	0.0	1337.0	1337.0	2003	2449.0
	0.0	0.0	816.0	816.0	2004	3017.0
	0.0	0.0	748.0	748.0	2005	3255.0
	0.0	0.0	729.0	729.0	2006	3575.0
	0.0	0.0	481.0	481.0	2007	3838.0
	0.0	0.0	0.0	0.0	2008	4129.0
	$516.0	**$0.0**	**$8,501.0**	**$9,017.0**		**$25,318.0**

US ARMY AVIATION AND MISSILE COMMAND

OSCR Office

Description of Funded Projects

FY 1998 **Date:** *08-Jan-98*

Group	Originator No	Description
AVIATION	96-8401	THIS INITIATIVE WILL INSTALL THE FIXED PROVISIONS FOR EAPS ON THE ENTIRE FIELDED FLEET OF UH-60 A/L/Qs, AND WILL PROVIDE EAPS MISSION KITS FOR AIRCRAFT PERFORMING THE DESERT/SANDY ENVIRONMENT MISSION(S).
	97-8004	THIS INITIATIVE WILL REDESIGN THE TAIL ROTOR GEARBOX TO INCORPORATE AN IMPROVED LIP SEAL WITH BETTER DURABILITY THAN THE OLD SEAL.
	97-8009	THIS INITIATIVE IS TO REPLACE THE EXISTING CH-47 NICKEL CADMIUM BATTERY (NICAD) WITH A SEALED LEAD ACID BATTERY (SLAB).
MISSILE	PAT-97-03	THIS INITIATIVE CONDUCTS AN ENGINEERING ANALYSIS AND REDESIGN EFFORT TO DEVELOP AND TEST HDMs FOR LOW VOLTAGE POWER SUPPLIES.
	PAT-97-05	THIS REDESIGN EFFORT IS FOR THE SOURCE ASSEMBLY CABLES AND LOGISTICS DEMONSTRATION TO VALIDATE THAT THE MAINTENANCE CONCEPT FOR THE LO1 EXCITER CAN BE CHANGED FROMA DEPOT SUPPORT CONCEPT TO A FIX FORWARD MAINTENANCE CONCEPT.

US ARMY AVIATION AND MISSILE COMMAND

Status Code:
CA=Candidate
IN=Initiative
PM=PM Authorization
S=Submitted for funding
A=Approved

OSCR Office

Status - Open Items

FY 1998 **Date:** *06-Jul-98*

Project	Originator No	System		Title	POC	Phone #	Action Date	Status Comments
AMC	96-3008	CHINOOK	CH-47	LOW MAINTENANCE ROTOR HUBS (DRY HUB)	CLIFF KARVINEN	313-4308	08-May-98	S
LOCAL	98-06	APACHE	AH-64		DARREN BAUCUM	313-1337	20-Mar-98	PM
LOCAL	98-11	APACHE	AH-64	TAIL ROTOR PITCH LINK	DARREN BAUCUM	313-1337	14-Apr-98	S
LOCAL	98-10	APACHE	AH-64	TAIL ROTOR SHAFT ASSEMBLY	DARREN BAUCUM	313-1337	14-Apr-98	S
LOCAL	98-09	APACHE	AH-64	APU DRIVE SHAFT ASSEMBLY	DARREN BAUCUM	313-1337	14-Apr-98	S
LOCAL	98-08	APACHE	AH-64	MAST BASE SUPPORTER ASSEMBLY	DARREN BAUCUM	313-1337	14-Apr-98	S
LOCAL	98-07	APACHE	AH-64	MAIN ROTOR DRIVE SHAFT ASSEMBLY	DRRREN BAUCUM	313-1337	14-Apr-98	S
LOCAL	98-05	APACHE	AH-64	DRIVE SHAFT (TRANSMISSION TO HANGER BEARING)	DARREN BAUCUM	313-1337	14-Apr-98	S
LOCAL	98-04	APACHE	AH-64	TAIL ROTOR FORK ASSEMBLY	DARREN BAUCUM	313-1337	14-Apr-98	S

US ARMY AVIATION AND MISSILE COMMAND

OSCR Office

Submitted Projects

FY 1998 **Date:** *06-Jul-98*

Type Project	Group	Originator Number	System	Title	Redesign Funds ($K)	Approved Funds ($K)	Investment Funds ($K)	Projected Savings ($K)
AMC	AVIATION	96-3008	CH-47	LOW MAINTENANCE ROTOR HUBS (DRY HUB)	16,760.0	0.0	145,677.0	204,738.0
			# of Initiatives: 1	**Total for Group:**	**$16,760.0**	**$0.0**	**$145,677.0**	**$204,738.0**
				Total for Type Project:	**$16,760.0**	**$0.0**	**$145,677.0**	**$204,738.0**
LOCAL	AVIATION	98-04	AH-64	TAIL ROTOR FORK ASSEMBLY	23.0	0.0	0.0	819.0
		98-05	AH-64	DRIVE SHAFT (TRANSMISSION TO HANGER BEARING)	23.0	0.0	0.0	670.0
		98-07	AH-64	MAIN ROTOR DRIVE SHAFT ASSEMBLY	23.0	0.0	0.0	709.0
		98-08	AH-64	MAST BASE SUPPORTER ASSEMBLY	23.0	0.0	0.0	108.0
		98-09	AH-64	APU DRIVE SHAFT ASSEMBLY	23.0	0.0	0.0	64.0
		98-10	AH-64	TAIL ROTOR SHAFT ASSEMBLY	23.0	0.0	0.0	65.0
		98-11	AH-64	TAIL ROTOR PITCH LINK	23.0	0.0	0.0	137.0
			# of Initiatives: 7	**Total for Group:**	**$161.0**	**$0.0**	**$0.0**	**$2,572.0**
				Total for Type Project:	**$161.0**	**$0.0**	**$0.0**	**$2,572.0**
			# of Initiatives: 8	**Grand Total:**	**$16,921.0**	**$0.0**	**$145,677.0**	**$207,310.0**

US ARMY AVIATION AND MISSILE COMMAND

OSCR Office

Submitted Projects - Savings by Projected FY

Type Project/Program: AMC OSCR-SMA **FY:** 1998 **Date:** *06-Jul-98*

Group	Originator No	System	Subsystem	Title	FY	Projected Savings ($K)
AVIATION	96-3008	CHINOOK	CH-47D	LOW MAINTENANCE ROTOR HUBS (DRY HUB)	1998	0.0
					1999	0.0
					2000	0.0
					2001	14,124.0
					2002	19,075.0
					2003	19,539.0
					2004	20,196.0
					2005	20,556.0
					2006	21,084.0
					2007	21,839.0
					2008	22,232.0
					2009	22,747.0
					2010	23,346.0
				Total for Originator No:		**$204,738.0**
				Total for Group:		**$204,738.0**
				Grand Total:		**$204,738.0**

US ARMY AVIATION AND MISSILE COMMAND

OSCR Office

Submitted Projects - Summary of Projected Savings

Type Project/Program: AMC OSCR-SMA **FY** 1998 **Date:** *06-Jul-98*

Group	Originator No	System	Subsystem	Title	Projected Savings(K$)
AVIATION	96-3008	CHINOOK	CH-47D	LOW MAINTENANCE ROTOR HUBS (DRY HUB)	204,738.0
				Total for Group:	**$204,738.0**
				Grand Total:	**$204,738.0**

US ARMY MISSILE COMMAND

Status Code:
W=Withdrawn
R=Rejected

OSCR Office

Status - Withdrawn/Rejected Candidates

FY 1997 **Date:** *06-Jul-98*

Project	Originator No	System		Title	POC	Phone	Action Date	Status
AMC	MLRS-97-03	MLRS		CIRCUIT CARD ASSEMBLY	BRYON BOYDSTUN	842-6257	02-Feb-97	R
AMC	PAT-97-04	PATRIOT		TRAVELING WAVE TUBE	CASPER WOLF	955-3659	22-Jul-97	W
LOCAL	JTUAV-97-04	JTUAV		ARRESTING GEAR	MARY FINCH	895-4310	07-May-97	R
LOCAL	MLRS-97-04	MLRS		CIRCUIT CARD ASSEMBLY	BRYON BOYDSTUN	842-6257	02-Feb-97	R
LOCAL	MLRS-97-07	MLRS		MIRROR ASSEMBLY	HOSIE LONG	842-7169	22-Jul-97	W
LOCAL	MLRS-97-06	MLRS		MLPA	PAUL HESTER	842-6623	07-May-97	W
LOCAL	MLRS-97-05	MLRS		LRU	BRYON BOYDSTUN	842-6257	24-Jul-97	W
LOCAL	TAR-97-01	TARGETS		SEQUENCE BOX ASSEMBLY	BRAIN NALLEY	842-0375	18-Jun-97	W
LOCAL	WSMD-97-01	WSMD		LENS/PRISM ASSEMBLY	JIM BRASFIELD	842-8117	07-May-97	R
LOCAL	TOW-97-03	WSMD	TOW	BATTERY ASSEMBLY	JIM BRASFIELD	842-8117	18-Jun-97	W
PBD714	MLRS-97-08	MLRS		BATTERY TERMINAL	CARLOS KINGSTON	876-3779	24-Jul-97	W

US ARMY AVIATION AND MISSILE COMMAND

OSCR Office

Status - Funded Items

FY 1998 **Date:** *06-Jul-98*

Status Code:
F=Funded
OB=Obligated
CH?=Change EA #
IM=Implemented
CO=Completed
TR=Tracking

Project	Originator No	System		Title	POC	Phone #	Action Date	Status	
AMC	97-8004	APACHE	AH-64	TAIL ROTOR GEARBOX OUTPUT SHAFT LIP SEAL	STEVE WELLS	313-0576	15-Apr-98	CH1	FUNDED
AMC	96-3006	BLACK HAWK	UH-60	T700-GE-701C GAS GENERATOR BLADES	DON WOJTAL	955-0249	14-Apr-98	CH1	FUNDED
AMC	96-8401	BLACK HAWK	UH-60	ENGINE EXTERNAL AIR PARTICLE SEPARATOR	STEVE WELLS	313-0576	18-Jun-98	CO	WITHRAWN BY PM
AMC	97-8009	CHINOOK	CH-47	BATTERY IMPROVEMENT	STEVE WELLS	313-0576	15-Apr-98	CH1	FUNDED
AMC	96-8001	KIOWA WARRIOR	OH-58	MAST MOUNTED THERMAL IMAGING SENSOR	DUANE J. GOTVALD	645-9786	15-Apr-98	CH1	FUNDED
AMC	MLRS-98-01	MLRS		IEU MP CIRCUIT CARD ASSEMBLY	DAVID JONES	876-5063	29-Mar-98	CH1	FUNDED
AMC	PAT-98-02	PATRIOT		LAUNCHER STATION TEST SETS	BILL CAUDLE	955-3533	09-Apr-98	CH1	PARTIALLY OBLIGATED
AMC	PAT-98-01	PATRIOT		SOLID STATE DATA STORAGE	MARTIN BELGRAV	955-3490	09-Apr-98	CH1	PARTIALLY OBLIGATED
AMC	PAT-97-05	PATRIOT		LO1 EXCITER	DIANA BURLINGAM	876-4117	09-Apr-98	CH1	FUNDED
AMC	PAT-97-03	PATRIOT	PAC-3	HIGH DENSITY MODULE TECHNOLOGY	DIANA BURLINGAM	876-4117	09-Apr-98	CH1	FUNDED
LOCAL	97-8010	APACHE	AH-64	INTERMEDIATE GEARBOX SPEEDY SLEEVE			19-Feb-98	F	

US ARMY AVIATION AND MISSILE COMMAND

OSCR Office

Funded Projects

FY 1998 **Date:** *06-Jul-98*

Type Project	Group	Originator Number	System	Title	Redesign Funds ($K)	Obligated Funds ($K)	Investment Funds ($K)	Projected Savings ($K)
AMC	AVIATION	96-3006	UH-60	T700-GE-701C GAS GENERATOR BLADES	516.0	0.0	9,137.0	29,855.0
		96-8001	OH-58	MAST MOUNTED THERMAL IMAGING SENSOR	1,624.0	0.0	57,832.0	268,821.0
		96-8401	UH-60	ENGINE EXTERNAL AIR PARTICLE SEPARATOR	0.0	0.0	0.0	0.0
		97-8004	AH-64	TAIL ROTOR GEARBOX OUTPUT SHAFT LIP SEAL	125.0	0.0	30.0	10,650.0
		97-8009	CH-47	BATTERY IMPROVEMENT	338.0	0.0	1,485.0	20,212.0
			# of Initiatives: 5	**Total for Group:**	**$2,603.0**	**$0.0**	**$68,484.0**	**$329,538.0**
AMC	MISSILE	MLRS-98-01		IEU MP CIRCUIT CARD ASSEMBLY	375.0	0.0	1,708.0	8,228.0
		PAT-97-03	PAC-3	HIGH DENSITY MODULE TECHNOLOGY	983.0	0.0	21,641.0	55,452.0
		PAT-97-05		LO1 EXCITER	978.0	0.0	61,926.0	209,982.0
		PAT-98-01		SOLID STATE DATA STORAGE	2,275.0	1,800.0	8,969.0	139,952.0
		PAT-98-02		LAUNCHER STATION TEST SETS	982.0	450.0	2,040.0	59,662.0
			# of Initiatives: 5	**Total for Group:**	**$5,593.0**	**$2,250.0**	**$96,284.0**	**$473,276.0**
				Total for Type Project:	**$8,196.0**	**$2,250.0**	**$164,768.0**	**$802,814.0**

Type Project	Group	Originator Number	System	Title	Redesign Funds ($K)	Obligated Funds ($K)	Investment Funds ($K)	Projected Savings ($K)
LOCAL	AVIATION	97-8010	AH-64	INTERMEDIATE GEARBOX SPEEDY SLEEVE	24.0	0.0	9.0	314.0
			# of Initiatives: 1	**Total for Group:**	**$24.0**	**$0.0**	**$9.0**	**$314.0**
				Total for Type Project:	**$24.0**	**$0.0**	**$9.0**	**$314.0**
			# of Initiatives: 11	**Grand Total:**	**$8,220.0**	**$2,250.0**	**$164,777.0**	**$803,128.0**

US ARMY AVIATION AND MISSILE COMMAND

OSCR Office

Funded Projects - Summary of Investment Funding

Type Project/Program: AMC SMA-OSCR **FY** 1998 **Date:** *06-Jul-98*

Group	Originator No	System	Subsystem	Title	Date Funded	Date Obligated	SIR	Redesign Funds ($K)	Investment Funds ($K)	Total ($K)
AVIATION	96-3006	BLACK HAWK	UH-60L	T700-GE-701C GAS GENERATOR BLADES	05-Feb-98	30-Sep-98	2.99	516.0	9,137.0	9,653.0
	96-8001	KIOWA WARRIOR	OH-58D	MAST MOUNTED THERMAL IMAGING SENSOR	05-Feb-98	30-Sep-98	3.24	1,624.0	57,832.0	59,456.0
	96-8401	BLACK HAWK	UH-60	ENGINE EXTERNAL AIR PARTICLE SEPARATOR	10-Oct-97		0	0.0	0.0	0.0
	97-8004	APACHE	AH-64	TAIL ROTOR GEARBOX OUTPUT SHAFT LIP SEAL	10-Oct-97	12-Jun-98	55.48	125.0	30.0	155.0
	97-8009	CHINOOK	CH-47	BATTERY IMPROVEMENT	10-Oct-97	30-Sep-98	9.45	338.0	1,485.0	1,823.0
						Total for Group:		**$2,603.0**	**$68,484.0**	**$71,087.0**
MISSILE	MLRS-98-01	MLRS		IEU MP CIRCUIT CARD ASSEMBLY	05-Feb-98	30-Jun-98	3.31	375.0	1,708.0	2,083.0
	PAT-97-03	PATRIOT	PAC-3	HIGH DENSITY MODULE TECHNOLOGY	10-Oct-97	30-Jun-98	2.33	983.0	21,641.0	22,624.0
	PAT-97-05	PATRIOT		LO1 EXCITER	10-Oct-97	30-Jun-98	3.41	978.0	61,926.0	62,904.0
	PAT-98-01	PATRIOT		SOLID STATE DATA STORAGE	05-Feb-98	30-Jun-98	9.25	2,275.0	8,969.0	11,244.0
	PAT-98-02	PATRIOT		LAUNCHER STATION TEST SETS	05-Feb-98	30-Jun-98	14.78	982.0	2,040.0	3,022.0

Group	Originator No	System	Subsystem	Title	Date Funded	Date Obligated	SIR	Redesign Funds ($K)	Investment Funds ($K)	Total ($K)
						Total for Group:		**$5,593.0**	**$96,284.0**	**$101,877.0**
						Grand Total:		**$8,196.0**	**$164,768.0**	**$172,964.0**

US ARMY AVIATION AND MISSILE COMMAND

OSCR Office

Funded Projects - Savings by Projected FY

Type Project/Program: AMC SMA-OSCR **FY** 1998 **Date:** *06-Jul-98*

Group	Originator No	OSCR No	System	Subsystem	Title	FY	Projected Savings ($K)	Investment Funding $K
AVIATION	96-3006	980006	BLACK HAWK	UH-60L	T700-GE-701C GAS GENERATOR BLADES	1998	0.0	0.0
						1999	0.0	0.0
						2000	0.0	0.0
						2001	1,122.0	1,486.0
						2002	1,631.0	1,448.0
						2003	2,189.0	1,410.0
						2004	2,581.0	1,385.0
						2005	2,962.0	875.0
						2006	3,411.0	781.0
						2007	3,728.0	747.0
						2008	3,890.0	507.0
						2009	4,074.0	267.0
						2010	4,267.0	231.0
					Total for Originator No:		**$29,855.0**	**$9,137.0**
AVIATION	96-8001	980007	KIOWA WARRIOR	OH-58D	MAST MOUNTED THERMAL IMAGING SENSOR	1998	0.0	0.0
						1999	0.0	0.0
						2000	0.0	0.0
						2001	27,170.0	25,077.0
						2002	26,696.0	14,099.0

Group	Originator No	OSCR No	System	Subsystem	Title	FY	Projected Savings ($K)	Investment Funding $K
AVIATION	96-8001	980007	KIOWA WARRIOR	OH-58D	MAST MOUNTED THERMAL IMAGING SENSOR	2003	26,470.0	8,191.0
						2004	26,393.0	4,837.0
						2005	26,974.0	2,662.0
						2006	27,220.0	1,360.0
						2007	27,465.0	794.0
						2008	28,070.0	812.0
						2009	27,579.0	0.0
						2010	24,784.0	0.0
					Total for Originator No:		**$268,821.0**	**$57,832.0**
AVIATION	96-8401	980003	BLACK HAWK	UH-60	ENGINE EXTERNAL AIR PARTICLE SEPARATOR	1998	0.0	0.0
						1999	0.0	0.0
						2000	0.0	0.0
						2001	0.0	0.0
						2002	0.0	0.0
						2003	0.0	0.0
					Total for Originator No:		**$0.0**	**$0.0**
AVIATION	97-8004	980005	APACHE	AH-64	TAIL ROTOR GEARBOX OUTPUT SHAFT LIP SEAL	1998	0.0	0.0
						1999	0.0	0.0
						2000	1,599.0	5.0
						2001	1,440.0	4.0
						2002	1,311.0	4.0
						2003	1,196.0	3.0
						2004	1,096.0	3.0

Group	Originator No	OSCR No	System	Subsystem	Title	FY	Projected Savings ($K)	Investment Funding $K
AVIATION	97-8004	980005	APACHE	AH-64	TAIL ROTOR GEARBOX OUTPUT SHAFT LIP SEAL	2005	992.0	3.0
						2006	901.0	2.0
						2007	768.0	2.0
						2008	706.0	2.0
						2009	641.0	2.0
						Total for Originator No:	**$10,650.0**	**$30.0**
AVIATION	97-8009	980004	CHINOOK	CH-47	BATTERY IMPROVEMENT	1998	0.0	0.0
						1999	0.0	0.0
						2000	698.0	1,485.0
						2001	2,010.0	0.0
						2002	2,042.0	0.0
						2003	2,078.0	0.0
						2004	2,113.0	0.0
						2005	2,164.0	0.0
						2006	2,210.0	0.0
						2007	2,254.0	0.0
						2008	2,299.0	0.0
						2009	2,344.0	0.0
						Total for Originator No:	**$20,212.0**	**$1,485.0**
						Total for Group:	**$329,538.0**	**$68,484.0**
MISSILE	MLRS-98-01	980008	MLRS		IEU MP CIRCUIT CARD ASSEMBLY	1998	0.0	0.0
						1999	0.0	0.0
						2000	886.0	414.0

Group	Originator No	OSCR No	System	Subsystem	Title	FY	Projected Savings ($K)	Investment Funding $K
MISSILE	MLRS-98-01	980008	MLRS		IEU MP CIRCUIT CARD ASSEMBLY	2001	855.0	372.0
						2002	828.0	378.0
						2003	828.0	386.0
						2004	777.0	158.0
						2005	776.0	0.0
						2006	793.0	0.0
						2007	810.0	0.0
						2008	828.0	0.0
						2009	847.0	0.0
						Total for Originator No:	**$8,228.0**	**$1,708.0**
MISSILE	PAT-97-03	980001	PATRIOT	PAC-3	HIGH DENSITY MODULE TECHNOLOGY	1997	0.0	0.0
						1998	0.0	0.0
						1999	0.0	1,469.0
						2000	3,592.0	1,264.0
						2001	7,305.0	2,808.0
						2002	8,091.0	5,252.0
						2003	8,222.0	5,365.0
						2004	8,403.0	5,483.0
						2005	8,588.0	0.0
						2006	9,839.0	0.0
						2007	460.0	0.0
						2008	471.0	0.0
						2009	481.0	0.0
						Total for Originator No:	**$55,452.0**	**$21,641.0**

Group	Originator No	OSCR No	System	Subsystem	Title	FY	Projected Savings ($K)	Investment Funding $K
MISSILE	PAT-97-05	980002	PATRIOT		LO1 EXCITER	1997	0.0	0.0
						1998	0.0	0.0
						1999	0.0	25.0
						2000	9,341.0	152.0
						2001	17,540.0	155.0
						2002	20,083.0	5,388.0
						2003	22,759.0	10,096.0
						2004	25,588.0	10,319.0
						2005	28,530.0	10,545.0
						2006	23,291.0	10,777.0
						2007	20,495.0	11,015.0
						2008	20,947.0	3,454.0
						2009	21,408.0	0.0
						Total for Originator No:	**$209,982.0**	**$61,926.0**
MISSILE	PAT-98-01	980009	PATRIOT		SOLID STATE DATA STORAGE	1998	0.0	0.0
						1999	0.0	0.0
						2000	6,750.0	8,969.0
						2001	8,654.0	0.0
						2002	9,695.0	0.0
						2003	10,918.0	0.0
						2004	12,383.0	0.0
						2005	14,027.0	0.0
						2006	15,868.0	0.0
						2007	18,028.0	0.0
						2008	20,454.0	0.0

Group	Originator No	OSCR No	System	Subsystem	Title	FY	Projected Savings ($K)	Investment Funding $K
MISSILE	PAT-98-01	980009	PATRIOT		SOLID STATE DATA STORAGE	2009	23,175.0	0.0
						Total for Originator No:	**$139,952.0**	**$8,969.0**
MISSILE	PAT-98-02	980010	PATRIOT		LAUNCHER STATION TEST SETS	1998	0.0	0.0
						1999	0.0	0.0
						2000	3,682.0	993.0
						2001	4,339.0	1,047.0
						2002	4,679.0	0.0
						2003	5,008.0	0.0
						2004	5,491.0	0.0
						2005	6,021.0	0.0
						2006	6,599.0	0.0
						2007	7,233.0	0.0
						2008	7,926.0	0.0
						2009	8,684.0	0.0
						Total for Originator No:	**$59,662.0**	**$2,040.0**
						Total for Group:	**$473,276.0**	**$96,284.0**
						Grand Total:	**$802,814.0**	**$164,768.0**

US ARMY AVIATION AND MISSILE COMMAND

OSCR Office

Funded Projects - Summary of Projected Savings

Type Project/Program: AMC SMA-OSCR **FY** 1998 **Date:** *06-Jul-98*

Group	Originator No	OSCR No	System	Subsystem	Title	Projected Savings ($K)
AVIATION	96-3006	980006	BLACK HAWK	UH-60L	T700-GE-701C GAS GENERATOR BLADES	29,855.0
	96-8001	980007	KIOWA WARRIOR	OH-58D	MAST MOUNTED THERMAL IMAGING SENSOR	268,821.0
	96-8401	980003	BLACK HAWK	UH-60	ENGINE EXTERNAL AIR PARTICLE SEPARATOR	0.0
	97-8004	980005	APACHE	AH-64	TAIL ROTOR GEARBOX OUTPUT SHAFT LIP SEAL	10,650.0
	97-8009	980004	CHINOOK	CH-47	BATTERY IMPROVEMENT	20,212.0
					Total for Group:	**$329,538.0**
MISSILE	MLRS-98-01	980008	MLRS		IEU MP CIRCUIT CARD ASSEMBLY	8,228.0
	PAT-97-03	980001	PATRIOT	PAC-3	HIGH DENSITY MODULE TECHNOLOGY	55,452.0
	PAT-97-05	980002			LO1 EXCITER	209,982.0
	PAT-98-01	980009			SOLID STATE DATA STORAGE	139,952.0
	PAT-98-02	980010			LAUNCHER STATION TEST SETS	59,662.0
					Total for Group:	**$473,276.0**
					Grand Total:	**$802,814.0**

AMCOM

Project Differences Report
As of: *06-Jul-98* **FY:** 1998

Type Project	System	Title	Current (K$) Redesign	Current (K$) Investment	Current (K$) Savings	Archived (K$) Redesign	Archived (K$) Investment	Archived (K$) Savings	Differences Redesign	Differences Investment	Differences Savings
AMC	APACHE	TAIL ROTOR GEARBOX OUTPUT SHAFT LIP SEAL	125.0	30.0	10,650.0	125.0	30.0	10,507.0	0.0	0.0	143.0
	BLACK HAWK	ENGINE EXTERNAL AIR PARTICLE SEPARATOR	0.0	0.0	0.0	0.0	0.0	0.0			
	BLACK HAWK	T700-GE-701C GAS GENERATOR BLADES	516.0	9,137.0	29,855.0	516.0	8,501.0	25,318.0	0.0	636.0	4,537.0
	CHINOOK	BATTERY IMPROVEMENT	338.0	1,485.0	20,212.0	338.0	1,276.0	19,289.0	0.0	209.0	923.0
	KIOWA WARRIOR	MAST MOUNTED THERMAL IMAGING SENSOR	1,624.0	57,832.0	268,821.0	1,624.0	56,736.0	271,519.0	0.0	1,096.0	-2,698.0
	MLRS	IEU MP CIRCUIT CARD ASSEMBLY	375.0	1,708.0	8,228.0	379.0	1,715.0	7,465.0	-4.0	-7.0	763.0
	PATRIOT	HIGH DENSITY MODULE TECHNOLOGY	983.0	21,641.0	55,452.0	1,011.0	21,932.0	56,911.0	-28.0	-291.0	-1,459.0
	PATRIOT	LAUNCHER STATION TEST SETS	982.0	2,040.0	59,662.0	986.0	2,117.0	56,119.0	-4.0	-77.0	3,543.0
	PATRIOT	LO1 EXCITER	978.0	61,926.0	209,982.0	983.0	61,639.0	202,115.0	-5.0	287.0	7,867.0
	PATRIOT	SOLID STATE DATA STORAGE	2,275.0	8,969.0	139,952.0	2,284.0	8,922.0	127,381.0	-9.0	47.0	12,571.0
		Total for Type Project:	**8,196.0**	**164,768.0**	**802,814.0**	**8,246.0**	**162,868.0**	**776,624.0**	**-50.0**	**1,900.0**	**26,190.0**
LOCAL	APACHE	INTERMEDIATE GEARBOX SPEEDY SLEEVE	24.0	9.0	314.0	24.0	9.0	314.0			

Type Project	System	Title	Current (K$) Redesign	Current (K$) Investment	Current (K$) Savings	Archived (K$) Redesign	Archived (K$) Investment	Archived (K$) Savings	Differences Redesign	Differences Investment	Differences Savings
		Total for Type Project:	24.0	9.0	314.0	24.0	9.0	314.0	0.0	0.0	0.0
		Grand Total:	8,220.0	164,777.0	803,128.0	8,270.0	162,877.0	776,938.0	-50.0	1,900.0	26,190.0

AMCOM POM Promise

AMC FUNDED PROJECTS

FY 1998-2003 **As of:** *06-Jul-98*

Fiscal Year	System	Title	********** Projected Savings (K$) ********** FY1998	FY1999	FY2000	FY2001	FY2002	FY2003	Totals
1996	APACHE	TRANSMISSION OIL FILTER BOWL SEAL	0.0	-7.0	75.0	78.0	171.0	129.0	**$446.0**
	APACHE	REPLACEABLE TAIL ROTOR EROSION GUARD	0.0	64.0	83.0	308.0	548.0	756.0	**$1,759.0**
	APACHE	LIP SEAL AT GEARBOX OUTPUT SHAFT	0.0	18.0	38.0	72.0	74.0	111.0	**$313.0**
	BLACK HAWK	MAIN ROTOR BLADE TIP CAP	4,991.0	5,063.0	5,100.0	5,160.0	5,224.0	5,299.0	**$30,837.0**
	PATRIOT	LOW VOLTAGE POWER SUPPLIES	0.0	0.0	2,590.0	5,268.0	5,361.0	5,468.0	**$18,687.0**
	STINGER	LAUNCHER ELECTRONIC ASSEMBLY	0.0	500.0	622.0	645.0	669.0	695.0	**$3,131.0**
1997	APACHE	MAIN ROTOR BLADE SPAR DISBOND	0.0	175.0	569.0	1,077.0	1,756.0	2,107.0	**$5,684.0**
	BLACK HAWK	T-700 ENGINE COMPONENT	0.0	3,602.0	4,312.0	6,249.0	6,760.0	6,888.0	**$27,811.0**
	STINGER	SVML INTERLOCK SWITCH	0.0	82.0	167.0	255.0	259.0	264.0	**$1,027.0**
1998	BLACK HAWK	T700-GE-701C GAS GENERATOR BLADES	0.0	0.0	0.0	1,122.0	1,631.0	2,189.0	**$4,942.0**
	KIOWA WARRIOR	MAST MOUNTED THERMAL IMAGING SENSOR	0.0	0.0	0.0	27,170.0	26,696.0	26,470.0	**$80,336.0**
	BLACK HAWK	ENGINE EXTERNAL AIR PARTICLE SEPARATOR	0.0	0.0	0.0	0.0	0.0	0.0	**$0.0**
	APACHE	TAIL ROTOR GEARBOX OUTPUT SHAFT LIP SEAL	0.0	0.0	1,599.0	1,440.0	1,311.0	1,196.0	**$5,546.0**
	CHINOOK	BATTERY IMPROVEMENT	0.0	0.0	698.0	2,010.0	2,042.0	2,078.0	**$6,828.0**

Fiscal Year	System	Title	********** Projected Savings (K$) ********** FY1998	FY1999	FY2000	FY2001	FY2002	FY2003	Totals
1998	MLRS	IEU MP CIRCUIT CARD ASSEMBLY	0.0	0.0	886.0	855.0	828.0	828.0	**$3,397.0**
	PATRIOT	HIGH DENSITY MODULE TECHNOLOGY	0.0	0.0	3,592.0	7,305.0	8,091.0	8,222.0	**$27,210.0**
	PATRIOT	LO1 EXCITER	0.0	0.0	9,341.0	17,540.0	20,083.0	22,759.0	**$69,723.0**
	PATRIOT	SOLID STATE DATA STORAGE	0.0	0.0	6,750.0	8,654.0	9,695.0	10,918.0	**$36,017.0**
	PATRIOT	LAUNCHER STATION TEST SETS	0.0	0.0	3,682.0	4,339.0	4,679.0	5,008.0	**$17,708.0**
			$4,991.0	**$9,497.0**	**$40,104.0**	**$89,547.0**	**$95,878.0**	**$101,385.0**	**$341,402.0**

ATTACHMENT 3

CHECKLIST

OSCR File Checklist

OSCR No:_____ OSCR Specialist:_____ POC:_____
Originator No:_____ Type Project/Program:_____ Organization:_____
System:_____ Component:_____ Office Symbol:_____
Subsystem:_____ Item:_____ Phone:_____
Title:_____

NSNs: New Item?(Y/N)_____
Weapon System_____
Component_____
Old Item_____
New Item_____

Type of Change:
__ Hardware Redesign
__ Hardware Replacement
__ Maintenance Concept Change
__ Re-engineering Analysis
__ Other Define_____

Source:
__ Data Call
__ Individual
__ Readiness Report
__ Other Define_____

Tab 1: IDENTIFICATION of OSCR effort:
Candidate Date_____
Initiative Date_____

Tab 2: PM AUTHORIZATION:
Authorization Date_____

Tab 3: ECONOMIC ANALYSIS:
Validation Date_____ **Change EA #**__ Date_____
#__ Date_____
#__ Date_____
#__ Date_____

Tab 4: PROGRAM SUMMARY:
Appropriation Name: __RDTE __PA __OMA __SMA __AWCF __OTHER Define_____

Year of Savings	Gross Projected Savings ($K)	Engineering Cost ($K)	Investment Cost ($K)
Year 1 - Savings FY( )	$_____	$_____	$_____
Year 2 - Savings FY( )	$_____	$_____	$_____
Year 3 - Savings FY( )	$_____	$_____	$_____
Year 4 - Savings FY( )	$_____	$_____	$_____
Year 5 - Savings FY( )	$_____	$_____	$_____
Year 6 - Savings FY( )	$_____	$_____	$_____
Year 7 - Savings FY( )	$_____	$_____	$_____
Year 8 - Savings FY( )	$_____	$_____	$_____
Year 9 - Savings FY( )	$_____	$_____	$_____
Year 10-Savings FY( )	$_____	$_____	$_____
Totals	$_____	$_____	$_____

Tab 5: FUNDING
Request Date_____
Authorization Date_____

Tab 6: OBLIGATION
Obligation Date_____
Engineering Completion Date_____
Testing Completion Date_____
Implementation Date_____

Tab 7: **AMC** REASSESSMENT EA:
RMS or **Local** Project:
Reassessment Date_____
Completion Date_____

Description:_____

_____

_____

_____

ATTACHMENT 4

DEFINITIONS

OSCR Data Entry Requirements

I. INTRODUCTION

This is a format description for the type of information needed to meet data entry requirements for the OSCR database. The purpose of this document is to define data elements and describe acceptable input values for those data elements. **This is not an official document**. Each OSCR Specialist will complete the checklist provided at the front of each folder. The lab will enter each OSCR initiative and return a print-out. The OSCR Specialist should review each print-out and notify the lab of changes.

II. OSCR Data Elements

Action_Date
The Action Date is the date of the latest action taken on OSCR project. This information is provided on the OSCR Checklist.

Action_Officer
The Action Officer is the OSCR person responsible for tracking the OSCR Initiative. . This information is provided on the OSCR Checklist.

Active
The Active field contains "yes" or "no" data. It refers to whether or not the file is still in process.

Appropriation
The Appropriation identifies the type of redesign funding. This information is provided on the OSCR Checklist and also on the ***Program Summary Sheet*** in tab 4 of the OSCR File.

Approved_Funds
The Approved Funds identifies the amount of dollars that has been approved and is expected to be obligated for a specific project.

Candidate_Date
The Candidate Date is the date the Idea Submission Form is completed. This information is provided on the OSCR Checklist and also on the ***Idea Submission Form*** in tab 1 of the OSCR File.

Change_EA_Date
The Change EA Date is the date an updated economic analysis was submitted to AMC. This information is provided on the OSCR Checklist and also on the ***economic analysis*** in tab 3 of the OSCR File.

Command_Id
The Command_Id is the text used to identify the type of command associated with the OSCR initiative. The Command_Id can be either MICOM, ATCOM, or AMCOM.

Component
The Component is the name of the component that is affected by the project. This information is provided on the OSCR Checklist and also on the ***Economic Analysis*** in tab 3 of the OSCR File.

Component_NSN
The Component_NSN is the National Stock Number for the component being changed as a result of the OSCR initiative. This information is provided on the OSCR Checklist and also on the ***Economic Analysis*** in tab 3 of the OSCR File.

Contractor
The Contractor is the name of the contractor responsible for the changes made to the weapon system.

Date_Approved
The Date Approved is the date funding for the initiative or project has been approved. This information is provided on the OSCR Checklist.

Date_Authorized
The Date Authorized is the date the funding request is authorized by the project manager for the OSCR project. This information is provided on the OSCR Checklist and also on the ***PM Authorization*** in tab 2 of the OSCR File.

Date_Created
The Date Created is the date in which the Originator Number was created.

Date_Eng_Completion
The Date Eng Completion is the date the engineering change is completed. This information is provided on the OSCR Checklist.

Date_Funded
The Date Funded is the date the OSCR Initiative is funded. This information is provided on the OSCR Checklist.

Date_Implemented
The Date Implemented is the date the "implementation memo" showing intent to implement is signed. This information is provided on the OSCR Checklist and also in tab 7 (***Implemented Initiative***) of the OSCR File.

Date_Obligated
The Date Obligated is the date of obligation. This information is provided on the OSCR Checklist and also in on the *obligation plan/document* in tab 6 of the OSCR File.

Date_Test_Completion
The Date Test Completion is the date testing is completed. This information is provided on the OSCR Checklist.

Date_Updated
The Date Updated is the date the record is updated.

Date_Requested
The Date Requested is the date funding is requested for the OSCR project. This information is provided on the OSCR Checklist and on the *Funding Request* in tab 5 of the OSCR File.

Date_Validated
The Date Validated is the date the *Economic Analysis* is signed. This information is provided on the OSCR Checklist and on the ***Economic Analysis*** in tab 3 of the OSCR File.

Description
The Description data element is a memo field used to describe the OSCR Initiative. This information is provided on the ***Idea Submission Form*** in tab 1 and the ***Program Summary Sheet*** in tab 4 of the OSCR File.

Fiscal_Year
The Fiscal Year identifies the Fiscal year of the current action.

FY_Funded
The FY Funded is the first fiscal year savings are projected.

Group_Id
The Group Id is the text used to identify the type of group associated with the OSCR initiative. The Group Id can be either Aviation or Missile.

Impacted_Org
The Impacted Organization is the names of organizations that will be impacted by the OSCR Initiative. This information is provided on the ***Idea Submission Form*** in tab 1 of the OSCR File.

Initiative_Date
The Initiative Date is the date a candidate becomes an initiative or a project. This information is provided on the OSCR Checklist.

Inv_Funds
The Investment Funds is the total dollar amount in thousands of dollars ($K) the provided by the Project Office to fund the OSCR Initiative. This information is provided on the OSCR Checklist and also on the ***Program Summary Sheet*** in tab 4 of the OSCR File.

Item
The Item is the secondary item affected by the OSCR Initiative. This information is provided on the OSCR Checklist, the *Idea Submission Form*, and the ***Program Summary Sheet*** in tab 4 of the OSCR File.

Item_NSN_New
The Item NSN New is the National Stock Number (NSN) is the number assigned to the new item produced as a result of the OSCR Initiative. This information is provided on the ***Idea Submission Form*** in tab 1 or the ***Economic Analysis*** in tab 3 of the OSCR File.

Item_NSN_Old
The Item NSN Old is the National Stock Number (NSN) is the number assigned to the item being changed as a result of the OSCR Initiative. This information is provided on the ***Idea Submission Form*** in tab 1 or the ***Economic Analysis*** in tab 3 of the OSCR File.

New_Item
The New Item field contains "yes" or "no" data. It refers to whether or not the item is new.

Office_Symbol
The Office Symbol is the specific code assigned to each sub-element within each MSC. In this case, it is the POC's office symbol. This information is provided on the ***Idea Submission Form*** in tab 1 of the OSCR File.

Obligated_Funds
The Obligated Funds is the dollar amount approved and secured to be used for the intended purpose stated in the OSCR initiative. This information is provided on the OSCR Checklist.

Organization
The Organization is the name of the POC's organization. This information is provided on the ***Idea Submission Form*** in tab 1 of the OSCR File.

Originator_No
The Originator Number is the number assigned for each idea submission. It is based on the system name, fiscal year, and sequence number for that system. This information is provided on the OSCR Checklist.

OSCR_No
The OSCR Number is the number assigned for each OSCR Initiative that is funded. It is based on the fiscal year and a sequence number. This information is provided on the OSCR Checklist.

PEO
The PEO identifies the Program Executive Office affected by the OSCR Initiative.

Phone
The Phone is the POC's phone number. This information is provided on the ***Idea Submission Form*** in tab 1 of the OSCR File.

POC
The POC is the point of contact for the OSCR idea. This information is provided on the ***Idea Submission Form*** in tab 1 of the OSCR File.

Proj_FY
The Projected Fiscal Year is the fiscal year of savings. This information is provided on the OSCR Checklist, the ***Economic Analysis*** in tab 3, and the ***Program Summary Sheet*** found in tab 4 of the OSCR File.

Proj_Savings
The Projected Savings is the dollar amount in thousands of dollars ($K) produced by the OSCR Initiative. This information is provided on the OSCR Checklist, the ***Economic Analysis*** in tab 3, and the ***Program Summary Sheet*** in tab 4 of the OSCR File.

Proposed_Investment
The Proposed Investment is the initial estimate for the dollar amount in thousands of dollars ($K) for the redesign cost. This information is provided on the ***Idea Submission Form*** in tab 1 of the OSCR File.

Proposed_Savings
The Proposed Savings is the initial estimate for the dollar amount in thousands of dollars ($K) for the projected savings to occur as a result of the OSCR Initiative. This information is provided on the ***Idea Submission Form*** in tab 1 of the OSCR File.

Reassessment_Date
The Reassessment Date is the date used to identify the date the OSCR initiative was reassessed and a final economic analysis was submitted to AMC.

Redesign_Funds
The Redesign Funds is the dollar amount in thousands of dollars ($K) for funding provided locally or by AMC. This information is provided on the OSCR Checklist and also on the ***Program Summary Sheet*** in tab 4 of the OSCR File.

SIR
The SIR is the Savings to Investment Ratio. This information is provided on the ***Economic Analysis*** in tab 3 of the OSCR File.

Source
The Source identifies whether the OSCR Initiative was identified through an individual, data call, readiness report, or other source.

Status
The Status is a short comment concerning the current location of the OSCR Initiative. This information is provided on the OSCR Checklist.

Status_Code
The Status Code is an assigned code indicating the current status of the OSCR Initiative. This information is provided on the OSCR Checklist.

Subsystem
The Subsystem is the name of the subsystem affected by the OSCR Initiative. This information is provided on the OSCR Checklist and also on the ***Idea Submission Form*** in tab 1 of the OSCR File.

System
The System is the name of the system affected by the OSCR Initiative. This information is provided on the OSCR Checklist and also on the ***Idea Submission Form*** in tab 1 of the OSCR File.

Title
The Title is a short comment describing the OSCR Initiative. This information is provided on the OSCR Checklist, the ***Idea Submission Form*** in tab 1, and the ***Program Summary Sheet*** in tab 4 of the OSCR File.

Total_Funds
The Total Funds is the total amount in thousands of dollars ($K) for investment, which includes the amount funded by AMC and the amount invested by the project office. This information is provided on the OSCR Checklist.

Type_Change
The Type Change identifies whether the OSCR Initiative is a hardware redesign, hardware replacement, or maintenance concept change. This information is extracted from the description.

Type_Program
The Type Program identifies whether the OSCR Initiative is funded by SMA-OSCR or Depot Maintenance Reliability Program (DMRP). This information is provided on the OSCR Checklist.

Type_Project
The Type Project identifies whether the OSCR Initiative is funded locally, by AMC, or by PBD-714. This information is provided on the OSCR Checklist.

Weapon_NSN
The Weapon NSN is the National Stock Number for the weapon system being changed as a result of the OSCR intiative. This information is provided on the OSCR Checklist and also on the ***Economic Analysis*** in tab 3 of the OSCR File.

III. OSCR Reports

Description of Funded Projects
This report displays the description for all funded projects by originator number.

Funded Projects
This report displays a summary of all funded projects. This report displays both local and AMC projects on the same report. It also displays the redesign funding, total investment funding, obligated amount, projected savings, and date implemented.

Funded Project Information
This report displays general, funding, and savings information for a specific originator number.

Funded Projects - Summary of Investment Funding
This report displays either local or AMC funded projects. This report provides a summary of each funded projects investment funding. It displays local and AMC projects separately.

Funded Projects - Savings by Projected FY
This report displays either local or AMC funded projects. This report provides each funded projects projected savings and investment funding by fiscal year. It also displays local and AMC projects separately.

Funded Projects - Summary of Projected Savings
This report displays either local or AMC funded projects. This report provides a summary of each funded projects projected savings. It displays local and AMC projects separately.

Originator Number Log
This report displays originator numbers for a specific fiscal year.

POM Promise
This report displays fiscal years 1998 - 2003, which are the years designated for the POM Promise.

Project Differences Report
This report displays information for a specific fiscal year from the Funded table and compares it to the Funded Archive table in order to assess the amount of change due to the changed economic analysis.

Requested Project Information
This report displays general, funding, and savings information for a specific originator number.

Status Report - Open Items
This report displays the current status of all open ideas/projects submitted for a specific fiscal year.

Status Report - Funded Items
This report displays the current status of all funded projects for a specific fiscal year.

Status Report - Withdrawn/Rejected Candidates
This report displays all candidates that were withdrawn by the submitter or rejected by the OSCR Office.

Submitted Projects
This report displays a summary of all projects in which funding was requested but not yet funded. This report provides both local and AMC projects on the same report. It also displays the amount of redesign funding requested, total investment funding required, approved amount, and projected savings.

Submitted Projects - Savings by Projected FY
This report displays either local or AMC projects where funding was requested but not yet funded. This report provides each requested projects projected savings by fiscal year. It displays local or AMC projects separately.

Submitted Projects - Summary of Projected Savings
This reports displays either local or AMC project where funding was requested but not yet funded. This report provides a summary of each requested projects projected savings. It displays local and AMC projects separately.

ATTACHMENT 5

SAMPLE QUARTERLY REPORT

	US ARMY AVIATION AND MISSILE COMMAND										
	OSCR OFFICE										
	FY 98 AMC SMA-OSCR PAGE 1										
	Date:	1-Jul-98									
	Funding Requirements										
	Originator No	System		Project				Date	Redesign	Investment	Total $M
	Missile:							Funded	Funding $M	Funding $M	
	MLRS-98-01	MLRS		IEU MPCCA				5-Feb-98	0.375	1.708	$ 2.083
	PAT-97-03	PATRIOT	PAC3	HDM TECHNOLOGY				10-Oct-97	0.983	21.641	$ 22.624
	PAT-97-05	PATRIOT		L01 EXCITER				10-Oct-97	0.978	61.926	$ 62.904
	PAT-98-01	PATRIOT		SOLID STATE DATA STORAGE				5-Feb-98	2.275	8.969	$ 11.244
	PAT-98-02	PATRIOT		LAUNCH STATION TEST SET				5-Feb-98	0.982	2.040	$ 3.022
	Total for Missile								$ 5.593	$ 96.284	$ 101.877
	Aviation:										
	96-3006	BLACK HAWK	UH-60	TURBINE BLADE IMPROVEMENT				5-Feb-98	0.516	9.137	$ 9.653
*	96-8401	BLACK HAWK	UH-60	ENGINE EXTERNAL AIR PARTICLE SEPARATOR				10-Oct-97	0.000	0.000	$ -
	97-8004	APACHE	AH-64	TAIL ROTOR GEARBOX OUTPUT SHAFT LIP SEAL				10-Oct-97	0.125	0.030	$ 0.155
	97-8009	CHINOOK	CH-47	BATTERY IMPROVEMENT				10-Oct-97	0.338	1.485	$ 1.823
	96-8001	KIOWA	OH-58	THERMAL IMAGING SENSOR				5-Feb-98	1.624	57.832	$ 59.456
	Total for Aviation								$ 2.603	$ 68.484	$ 71.087
	Grand Total $M								$ 8.196	$ 164.768	$ 172.964
*	The Black Hawk Engine External Air Particle Separator (EAPS) project was funded for $3.108M on 10-Oct-97.										
	It was withdrawn by the Project Manager on 18-Jun-98. A review of the Sikorsky ECP, test schedule, prototype design, and										
	procurement schedule identified unacceptable technical risks and that a final production version cannot be contracted										
	prior to the end of the fiscal year.										

US ARMY AVIATION AND MISSILE COMMAND													
OSCR OFFICE													
FY 98 AMC SMA-OSCR PAGE 2													
Date:		1-Jul-98											
Projected Savings													
System		Project	SIR	Saving Projections $M								To	TOTAL $M
Missile:				FY 98	FY 99	FY 00	FY 01	FY 02	FY 03	FY 04	FY 05	FY 06	Complete	SAVINGS
MLRS		IEU MPCCA	3.31	0.000	0.000	0.886	0.855	0.828	0.828	0.777	0.776	0.793	2.485	**$ 8.228**
PATRIOT	PAC3	HDM TECHNOLOGY	2.33	0.000	0.000	3.592	7.305	8.091	8.222	8.403	8.588	9.839	1.412	**$ 55.452**
PATRIOT		L01 EXCITER	3.41	0.000	0.000	9.341	17.540	20.083	22.759	25.588	28.530	23.291	62.850	**$ 209.982**
PATRIOT		SOLID STATE DATA STORAGE	9.25	0.000	0.000	6.750	8.654	9.695	10.918	12.383	14.027	15.868	61.657	**$ 139.952**
PATRIOT		LAUNCH STATION TEST SET	14.78	0.000	0.000	3.682	4.339	4.679	5.008	5.491	6.021	6.599	23.843	**$ 59.662**
Total for Missile				**$ -**	**$ -**	**$ 24.251**	**$ 38.693**	**$ 43.376**	**$ 47.735**	**$ 52.642**	**$ 57.942**	**$ 56.390**	**$ 152.247**	**$ 473.276**
Aviation:														
BLACK HAWK	UH-60	TURBINE BLADE IMPROVEMENT	2.99	0.000	0.000	0.000	1.122	1.631	2.189	2.581	2.962	3.411	15.959	**$ 29.855**
BLACK HAWK	UH-60	ENGINE EXTERNAL AIR		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	**$ -**
		PARTICLE SEPARATOR												
APACHE	AH-64	TAIL ROTOR GEARBOX	55.48	0.000	0.000	1.599	1.440	1.311	1.196	1.096	0.992	0.901	2.115	**$ 10.650**
		OUTPUT SHAFT LIP SEAL												
CHINOOK	CH-47	BATTERY IMPROVEMENT	9.45	0.000	0.000	0.698	2.010	2.042	2.078	2.113	2.164	2.210	6.897	**$ 20.212**
KIOWA	OH-58	THERMAL IMAGING SENSOR	3.24	0.000	0.000	0.000	27.170	26.696	26.470	26.393	26.974	27.220	107.898	**$ 268.821**
Total for Aviation				**$ -**	**$ -**	**$ 2.297**	**$ 31.742**	**$ 31.680**	**$ 31.933**	**$ 32.183**	**$ 33.092**	**$ 33.742**	**$ 132.869**	**$ 329.538**
Grand Total $M				**$ -**	**$ -**	**$ 26.548**	**$ 70.435**	**$ 75.056**	**$ 79.668**	**$ 84.825**	**$ 91.034**	**$ 90.132**	**$ 285.116**	**$ 802.814**

US ARMY AVIATION AND MISSILE COMMAND																
OSCR OFFICE																
FY 98 AMC SMA-OSCR PAGE 3																
Date:		1-Jul-98														
Investment Funding Requirements																
System		Project				Investment Funding $M									To	Total $M
Missile:						FY 98	FY 99	FY 00	FY 01	FY 02	FY 03	FY 04	FY 05	FY 06	Complete	Investment
MLRS		IEU MPCCA				0.000	0.000	0.414	0.372	0.378	0.386	0.158	0.000	0.000	0.000	$ 1.708
PATRIOT	PAC3	HDM TECHNOLOGY				0.000	1.469	1.264	2.808	5.252	5.365	5.483	0.000	0.000	0.000	$ 21.641
PATRIOT		L01 EXCITER				0.000	0.025	0.152	0.155	5.388	10.096	10.319	10.545	10.777	14.469	$ 61.926
PATRIOT		DISK DRIVE UNIT				0.000	0.000	8.969	0.000	0.000	0.000	0.000	0.000	0.000	0.000	$ 8.969
PATRIOT		LAUNCH STATION TEST SET				0.000	0.000	0.993	1.047	0.000	0.000	0.000	0.000	0.000	0.000	$ 2.040
Total for Missile						**$ -**	**$ 1.494**	**$ 11.792**	**$ 4.382**	**$ 11.018**	**$ 15.847**	**$ 15.960**	**$ 10.545**	**$ 10.777**	**$ 14.469**	**$ 96.284**
Aviation:																
BLACK HAWK	UH-60	TURBINE BLADE IMPROVEMENT				0.000	0.000	0.000	1.486	1.448	1.410	1.385	0.875	0.781	1.752	$ 9.137
BLACK HAWK	UH-60	ENGINE EXTERNAL AIR PARTICLE				0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	$ -
		SEPARATOR														
APACHE	AH-64	TAIL ROTOR GEARBOX OUTPUT				0.000	0.000	0.005	0.004	0.004	0.003	0.003	0.003	0.002	0.006	$ 0.030
		SHAFT LIP SEAL														
CHINOOK	CH-47	BATTERY IMPROVEMENT				0.000	0.000	1.485	0.000	0.000	0.000	0.000	0.000	0.000	0.000	$ 1.485
KIOWA	OH-58	THERMAL IMAGING SENSOR				0.000	0.000	0.000	25.077	14.099	8.191	4.837	2.662	1.360	1.606	$ 57.832
Total for Aviation:						**$ -**	**$ -**	**$ 1.490**	**$ 26.567**	**$ 15.551**	**$ 9.604**	**$ 6.225**	**$ 3.540**	**$ 2.143**	**$ 3.364**	**$ 68.484**
Grand Total $M						**$ -**	**$ 1.494**	**$ 13.282**	**$ 30.949**	**$ 26.569**	**$ 25.451**	**$ 22.185**	**$ 14.085**	**$ 12.920**	**$ 17.833**	**$ 164.768**

"Value Engineering / Operation and Support Cost Reduction Computer Based Program and VE Training Tool for Tech Loop Spare Parts Initiatives"

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